

CLEAN VERSION OF AMENDMENTS

In the Claims:

Amended claims have been reproduced below and are labeled as "amended." A marked-up version of the amendments is presented after the Remarks section.

Sub
I-1
H-1
17. (amended) A computer mouse device for tracking user input and providing tactile feedback, said mouse device comprising:

a housing designed to move over a separate flat surface, said housing designed to be engaged by a palm of a user's hand when said housing moves on or rests on said flat surface;

a tracking element provided within said housing that tracks the motion of said housing in x- and y-directions with respect to said flat surface, wherein motion data from said tracking element is transmitted to a host computer for updating the status of a cursor on a graphical display displaying one or more graphical details;

a signal channel allowing communication between said mouse device and said host computer, wherein said mouse device receives via said signal channel a sensory feedback signal from said host computer when said cursor displayed on said host computer interacts with one of said graphical details in response to said motion data; and

a movement generator included within and coupled to said housing, said movement generator generating motion of said housing, thereby delivering a tactile sensation to said user's palm through said housing when said palm is in contact with said housing, said movement generator delivering said tactile sensation in response to said sensory feedback signal received over said signal channel.

Sub
I-2
H-2
cont
30. (amended) A computer mouse device for tracking user input and providing tactile feedback, said mouse device comprising:

a housing including a lower portion and an upper portion, said lower portion designed to move over a separate flat surface, said upper portion designed to be engaged by the palm of a user when said lower portion is in contact with said flat surface;

a tracking element provided within said housing for tracking motion of said housing with respect to said flat surface, wherein motion data from said tracking element is transmitted to a

~~host computer for updating the status of a cursor on a graphical display containing one or more graphical details;~~

~~a signal channel allowing communication between said mouse device and said host computer, wherein said mouse device receives via said signal channel a sensory feedback signal from said host computer when said cursor displayed on said host computer interacts with one of said graphical details in response to said motion data; and~~

~~a movement generator included within and coupled to said housing for generating motion of said housing with respect to said flat surface, thereby delivering a bump sensation to said user's palm through said housing when said palm is in contact with said housing, said movement generator delivering said bump sensation in response to said sensory feedback signal received over said signal channel.~~

43. (amended) A method for providing tactile feedback to a user of a mouse device in communication with a host computer, the method comprising:

providing motion signals to said host computer from said mouse device, wherein said motion signals represent motion of said mouse device on a flat surface;

receiving on said mouse device a sensory feedback signal from said host computer over a signal channel, said sensory feedback signal being sent by said host computer when a cursor displayed on said host computer interacts with a graphical detail in response to said motion signals; and

generating a movement of a casing portion of said mouse device with respect to a bottom portion of said mouse device in response to said received sensory feedback signal, said casing portion including a top surface of a housing of said mouse device, said movement delivering a tactile sensation to said user's palm through said top surface of said housing when said palm is in contact with said casing portion.

no orthogonal